# Public Health & Electronic Health Records Meaningful Use: Overview

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# Disclaimer

***The findings and conclusions in this presentation are those of the presenter and do not necessarily represent the official position of the Centers for Disease Control and Prevention (CDC)***

# Electronic Health Records Meaningful Use: Terms

MU- Meaningful Use

EHR- Electronic Health Record

EMR- Electronic Medical Record

CMS- Centers for Medicare & Medicaid Services

ONC- Office of the National Coordinator for Health Information Technology

EP- Eligible Professional

EH- Eligible Hospital

CAH- Critical Access Hospital

PHA- Public Health Agency

MACRA-Medicare Access & CHIP(Children Health Insurance Plan) Reauthorization Act of 2015

# EHR MU Requirements

EHR MU is defined by 3 requirements:

1. Using certified EHR technology in a meaningful manner
2. Ensuring that this technology can electronically exchange health information to improve quality of care
3. Ensuring that the providers of this technology submit information on quality of care and other selected measures to Secretary HHS

Source : CMS Medicare and Medicaid Programs-Electronic Health Record Incentive Program

# EHR MU Requirements

- Objectives/Measures & Clinical Quality Measures (CMS regulation)
- Standards (ONC regulation)
  - Content
  - Vocabulary
  - Transport

# What are the EHR MU Priorities?

The five pillars of EHR MU include:

- Improve quality, safety, efficiency, and reduce health disparities
- Engage patients and family
- Improve care coordination
- Maintain privacy and security of patient health information
- Improve population and public health

*Adapted from National Priorities Partnership. National Priorities and Goals: Aligning Our Efforts to Transform America's Healthcare. Washington, DC: National Quality Forum; 2008.

# Who will qualify for incentives under EHR MU?

## Who gets the incentive payments?

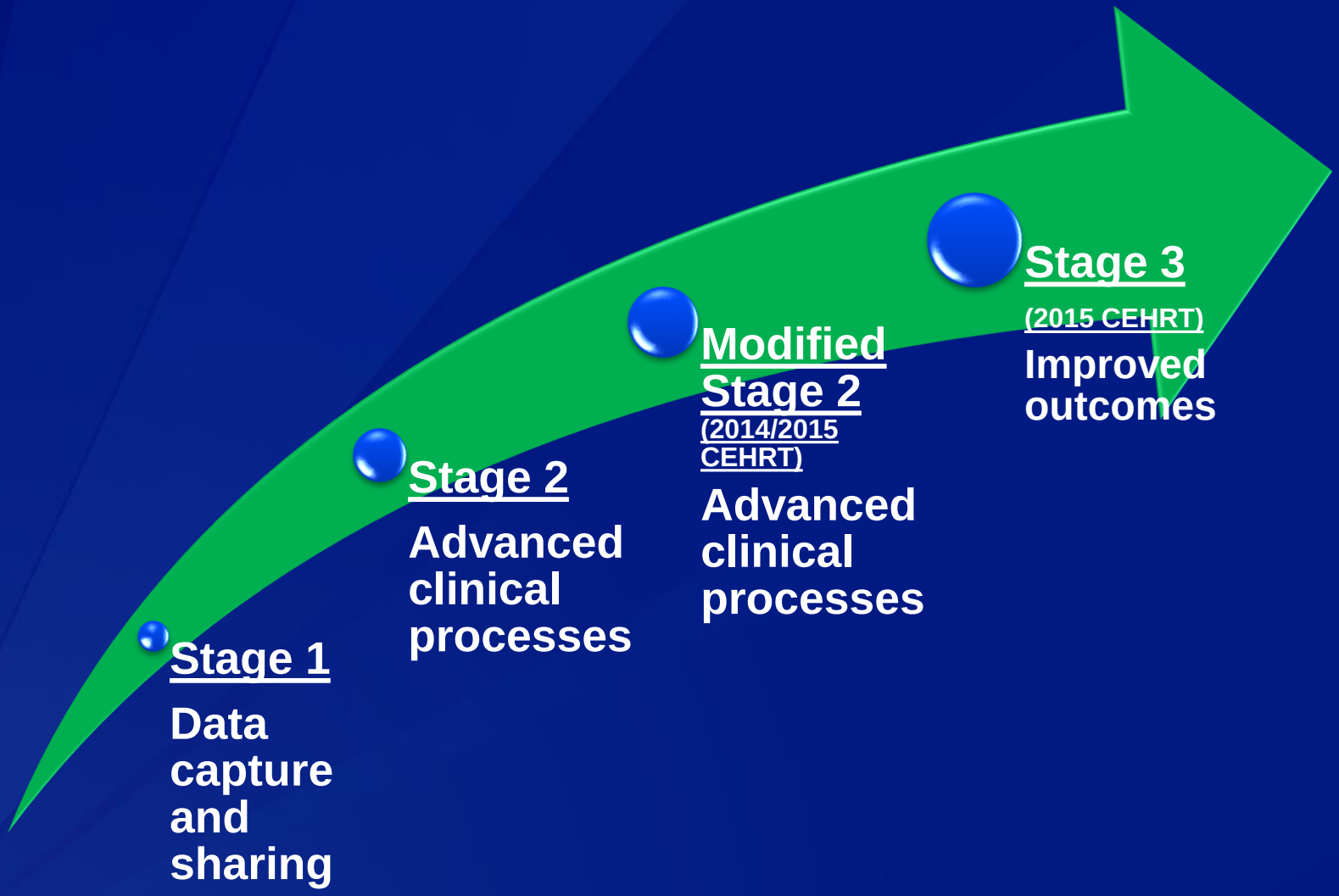
Incentive Payments

Eligible Professionals


Eligible Hospitals


Eligible Critical Access Hospitlas

# Meaningful Use Stages(contd.)




Source : Centers for Medicare & Medicaid Services (CMS)

# Public Health Objective MU Stage 1 & Stage 2

| Objective | Stage 1 | | Stage 2 | |
|---|---|---|---|---|
| | EP | EH/CAH | EP | EH/CAH |
| Immunization Registry Reporting | Menu | Menu | Core | Core |
| Syndromic Surveillance Reporting | Menu | Menu | Menu | Core |
| Electronic Reportable Laboratory Results | N/A | Menu | N/A | Core |
| *(New Public Health Objectives Added in Stage 2)* | | | | |
| Cancer Case Reporting | | | Menu | N/A |
| Specialized Registry Reporting | | | Menu | N/A |

# Certified EHR Technology: Standards

- **ONC Health Information Technology Certification Program**
  - Defined process to ensure that EHR technologies meet the adopted standards and certification criteria to help eligible providers achieve MU objectives and measures
  - Certification is conducted by ONC-Authorized Certification Bodies (ONC-ACBs) and testing is performed by Accredited Testing Laboratories (ATLs)
- **Health IT Certification Criteria**
  - ***2011 Edition EHR Certification Criteria* -** Established the technical capabilities and specifies the standard and implementation specifications that Certified EHR Technology (CEHRT) needs to include for MU Stage 1
  - ***2014 Edition EHR Certification Criteria*** – Established the technical capabilities and specifies the related standards and implementation specifications that CEHRT needs for Stage 2 and modified Stage 2

# PH Transport Standards

- EHR certification does not address transport for public health objectives

- An eligible provider (EP/EH) is required to utilize the transport method or methods supported by the public health agency in order to achieve meaningful use.

# 2014 Edition EHR Certification Criteria

| Stage 1MU Public Health Objectives | 2011 Edition EHR Certification Criteria | |
|---|---|---|
| | **Stage 1 MU Exchange Standards** | **Stage 1 MU Vocabulary Standards** |
| Immunization Registries (IIS) | Standard - HL7 2.3.1<br>• Implementation Guide for Immunization Data Transactions using Version 2.3.1 of the Health Level Seven (HL7) Standard Protocol Implementation Guide Version 2.2<br><br>Standard - HL7 2.5.1<br>• HL7 2.5.1 Implementation Guide for Immunization Messaging Release 1.0 | HL7 Standard Code Set CVX - Vaccines Administered, July 30, 2009 version |
| Reportable Lab Results (ELR) | Standard - HL7 2.5.1<br>• HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 | Logical Observation Identifiers Names and Codes (LOINC®) version 2.27 |
| Syndromic Surveillance | Standard - HL7 2.3.1<br>Standard - HL7 2.5.1<br><br><u>Guide available, not required for Stage 1</u>:<br>Implementation Guide for Syndromic Surveillance: Emergency Department and Urgent Care Data Release 1.0<br><br>*Note: Ambulatory / In-patient Guide under development* | |

# 2014 Edition EHR Certification Criteria Contd.

| Stage 2 MU Public Health Objectives | 2014 Edition EHR Certification Criteria | |
|---|---|---|
| | Stage 2 MU Exchange Standards | Stage 2 MU Vocabulary Standards |
| Immunization Registries (IIS) | Standard - HL7 2.5.1<br>• HL7 2.5.1 Implementation Guide for Immunization Messaging Release 1.4 | • HL7 Standard Code Set CVX - Vaccines Administered, July 30, 2009 version<br>• HL7 Standard Code Set CVX -- Vaccines Administered, updates through July 11, 2012 |
| Reportable Lab Results (ELR) | Standard - HL7 2.5.1<br>• HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 | Logical Observation Identifiers Names and Codes (LOINC®) version 2.27 and Systematized Nomenclature of Medicine of Clinical Terms (SNOMED-CT) |
| Syndromic Surveillance | Standard - HL7 2.5.1<br>• PHIN Implementation Guide for Syndromic Surveillance: Emergency Department and Urgent Care Data Release 1.1<br>*Note: Ambulatory / In-patient Guide under development* | SS IG does reference SNOMED-CT and LOINC |
| Cancer Reporting | Standard HL7 CDA Release 2<br>• HL7 Implementation Guide for CDA® Release 2 | SNOMED-CT and LOINC |
| Specialized Registries | • None | None |

# Modified Stage 2 (2015-2017)-Public Health Reporting Measures

**Electronic Health Records Incentive Programs: Public Health Reporting Objective Measures**
**For Eligible Professionals (EPs), Eligible Hospitals (EHs), and Critical Access Hospitals (CAHs)**
**Modified Stage 2 (2015 through 2017)**

| Measure number and name | Measure specification | Max times measure can count | Exclusion Criteria |
|---|---|---|---|
| Measure 1- Immunization Registry Reporting | The EP, EH, or CAH is in active engagement with a public health agency to submit immunization data. | 1 | 1. Does not administer any Immunizations during the EHR reporting period OR<br>2. Operates in a jurisdiction for which no immunization registry is capable of accepting the specific MU standards OR<br>3. Operates in a jurisdiction where no immunization registry has declared readiness. |
| Measure 2 - Syndromic Surveillance Reporting | The EP, EH or CAH is in active engagement with a public health agency to submit syndromic surveillance data. | 1 | 1. Is not in a category of providers from which ambulatory syndromic surveillance data is collected by their jurisdiction OR<br>2. Operates in a jurisdiction for which no public health agency is capable of receiving electronic syndromic surveillance data per specific MU standards OR<br>3. Operates in a jurisdiction where no public health agency has declared readiness.<br>*Exclusion for eligible hospitals/CAHs*<br>1. Does not have an emergency or urgent care department OR<br>*2.* Operates in a jurisdiction for which no public health agency is capable of receiving electronic syndromic surveillance data from eligible hospitals or CAHs in the specific MU standards OR<br><br>Operates in a jurisdiction where no public health agency has declared readiness to receive syndromic surveillance data from eligible hospitals or CAHs as of 6 months prior to the start of the EHR reporting period. |
| Measure 3 - Specialized Registry Reporting* | The EP, EH, or CAH is in active engagement with a public health agency to submit data to a specialized registry. | 2 for EPs, 3 for EHs and CAHs | 1. Does not diagnose or treat any disease or condition associated with or collect relevant data that is required by specialized registry OR<br>2. Operates in a jurisdiction for which no specialized registry is capable of accepting electronic transactions in the specific MU standards OR<br>3. Operates in a jurisdiction where no public health agency has declared readiness. |
| Measure 4 - Electronic Reportable Laboratory Results Reporting | The EH or CAH is in active engagement with a public health agency to submit ELR results. | N/A for EPs, 1 for EHs and CAHs | 1. Does not treat or diagnose any reportable diseases for which data is collected by their jurisdiction OR<br>2. Operates in a jurisdiction for which no public health agency is capable of receiving electronic case reporting data in the specific MU standards OR<br>3. Operates in a jurisdiction where no public health agency has declared readiness. |

***Note:*** EP's would be required to attest to any combination of two measures out of three (Stage 1 EPs in 2015 must meet at least 1 measure in 2015, Stage 2 EPs must meet at least 2 measures in 2015, and all EPs must meet at least 2 measures in 2016 and 2017) and EH's/CAH's would be required to attest to any combination of three measures out of four (Stage 1 eligible hospitals and CAHs must meet at least 2 measures in 2015, Stage 2 eligible hospitals and CAHs must meet at least 3 measures in 2015, all eligible hospitals and CAHs must meet at least 3 measures in 2016 and 2017). Exclusion to a measure does not count towards the total.

* EPs, eligible hospitals, and CAHs may choose to attest to this measure more than once as specified in the table above.

# Stage 3 MU

**Medicare and Medicaid Programs; Electronic Health Record Incentive Program-Stage 3**

- Align all three stages of Meaningful Use into single program/rule as an option in 2017 and required for all providers in 2018
- Aligns reporting periods – full calendar year reporting for eligible professionals, eligible hospitals and critical access hospitals
- Provides simplified objectives and measures – only 8 objectives, all tied to HHS Delivery System Reform Goals

# ONC 2015 Edition HIT Certification Criteria –

**2015 Edition Health Information Technology (Health IT) Certification Criteria, 2015 Edition Base Electronic Health Record (EHR) Definition, and ONC Health IT Certification Program Modifications**

- New 2015 Base EHR Definition
- No optional/required criteria – developers should choose the criteria relevant to their purpose
- Can be used beyond CMS EHR Incentive Program

# Summary of CMS Rules MU Stage3

- Total 8 Objectives -

1) Protect Patient Health Information.
2) Electronic Prescribing.
3) Clinical Decision Support (CDS).
4) Computerized Provider Order Entry (CPOE).
5) Patient's Electronic Access to Health Information.
6) Coordination of Care thru' Patient Engagement.
7) Health Information Exchange (HIE).
8) Public Health (PH) and Clinical Data Registry (CDR).

# Objective 8: Public Health and Clinical Data Registry (CDR) Reporting

- Proposed Objective: The EP, eligible hospital, or CAH is in active engagement with a Public Health Agency (PHA) or CDR to submit electronic public health data in a meaningful way using certified EHR technology, except where prohibited, and in accordance with applicable law and practice.
- Six possible measures to meet the objective
  - Eligible professionals must meet two measures
  - Eligible Hospitals and Critical Access Hospitals must meet four measures

*(Source: CMS Stage 3 NPRM)*

# Public Health and Clinical Data Registry (CDR)

| PUBLIC HEALTH AND CLINICAL DATA REGISTRY REPORTING OBJECTIVE | | |
|---|---|---|
| | Maximum times measure can count towards objective | |
| **Measure** | **EP *** | **Eligible Hospital or CAH **** |
| Measure 1 – Immunization Registry Reporting | 1 | 1 |
| Measure 2 – Syndromic Surveillance Reporting | 1 | 1 |
| Measure 3 – Case Reporting (not available in 2017) | 1 | 1 |
| Measure 4 - Public Health Registry Reporting *(e.g., Cancer Reporting, National Health Care Surveys, National Healthcare Safety Network reporting)* | 2 | 4 |
| Measure 5 - Clinical Data Registry Reporting (CDR) | 2 | 4 |
| Measure 6 - Electronic Reportable Laboratory Results | n/a | 1 |

*** EPs - Must report on 2/5 Public Health Measures.**

**** EHs/CAHs - Must report on 4/6 Public Health Measures.**

# Stage 3-Public Health & CDR Measures

**Electronic Health Records Incentive Programs: Public Health Reporting Objective Measures**
**For Eligible Professionals (EPs), Eligible Hospitals (EHs), and Critical Access Hospitals (CAHs)**
**Stage 3 (Optional in 2017; Mandatory in 2018)**

| Measure number and name | Measure specification | Max times measure can count | Exclusion Criteria |
|---|---|---|---|
| Measure 1 - Immunization Registry Reporting | The EP, EH, or CAH is in active engagement with a public health agency to submit immunization data and receive immunization forecasts and histories from the public health immunization registry /immunization information system (IIS). | 1 | 1. Does not administer any Immunizations during the EHR reporting period OR<br>2. Operates in a jurisdiction for which no immunization registry is capable of accepting the specific MU standards OR<br>3. Operates in a jurisdiction where no immunization registry has declared readiness.<br>4. Operates in a jurisdiction where no immunization registry has declared readiness to receive immunization data as of 6 months prior to the start of the EHR reporting period. |
| Measure 2— Syndromic Surveillance Reporting | The EP in active engagement with a public health agency to submit syndromic surveillance data from an urgent care setting [ONLY]. | 1 | *Exclusion for eligible Professionals (EP's)*<br>1. Is not in a category of providers from which ambulatory syndromic surveillance data is collected by their jurisdiction's syndromic surveillance system OR<br>2. Operates in a jurisdiction for which no public health agency is capable of receiving electronic syndromic surveillance data from EPs in the specific MU standard OR<br>3. Operates in a jurisdiction where no public health agency has declared readiness to receive syndromic surveillance data from EPs as of 6 months prior to the start of the EHR reporting period. |
| | The EH or CAH is in active engagement with a public health agency to submit syndromic surveillance data from an emergency or urgent care department. | 1 | *Exclusion for eligible hospitals/CAHs*<br>1. Does not have an emergency or urgent care department OR<br>2. Operates in a jurisdiction for which no public health agency is capable of receiving electronic syndromic surveillance data from eligible hospitals or CAHs in the specific MU standards OR<br>3. Operates in a jurisdiction where no public health agency has declared readiness to receive syndromic surveillance data from eligible hospitals or CAHs as of 6 months prior to the start of the EHR reporting period. |
| Measure 3- Electronic Case Reporting<br><br>*Not available in 2017 for optional Stage 3 requirements. | The EP, EH, or CAH is in active engagement with a public health agency to submit case reporting of reportable conditions. | 1 | 1. Does not treat or diagnose any reportable diseases for which data is collected by their jurisdiction's reportable disease system during the EHR reporting period OR<br>2. Operates in a jurisdiction for which no public health agency is capable of receiving electronic case reporting data in the specific standards required to meet the CEHRT definition at the start of the EHR reporting period OR<br>3. Operates in a jurisdiction where no public health agency has declared readiness to receive electronic case reporting data as of 6 months prior to the start of the EHR reporting period. |
| Measure 4 - Public Health Registry Reporting* | The EP, EH, or CAH is in active engagement with a public health agency to submit data to public health registries. | 2 for EPs, 4 for EHs and CAHs | 1. Does not diagnose or directly treat any disease or condition associated with a public health registry in their jurisdiction during the EHR reporting period OR<br>2. Operates in a jurisdiction for which no public health agency is capable of accepting electronic registry transactions in the specific standards required to meet the CEHRT definition at the start of the EHR reporting period OR<br>3. Operates in a jurisdiction where no public health registry for which the EP, EH, or CAH is eligible to declared readiness or to receive electronic registry transactions as of 6 months prior to the start of the EHR reporting period. |
| Measure 5 - Clinical Data Registry Reporting** | The EP, EH, or CAH is in active engagement to submit data to a clinical data registry. | 2 for EPs, 4 for EHs and CAHs | 1. Does not diagnose or directly treat any disease or condition associated with a clinical data registry in their jurisdiction during the EHR reporting period OR<br>2. Operates in a jurisdiction for which no clinical data registry is capable of accepting electronic registry transactions in the specific standards required to meet the CEHRT definition at the start of the EHR reporting period OR<br>3. Operates in a jurisdiction where no clinical data registry for which the EP, EH, or CAH is eligible has declared readiness to receive electronic registry transactions as of 6 months prior to the start of the EHR reporting period. |
| Measure 6 - Electronic Reportable Laboratory Results | The EH or CAH is in active engagement with a public health agency to submit electronic reportable laboratory results. | N/A for EPs, 1 for EHs and CAHs | 1. Does not perform or order laboratory tests that are reportable in their jurisdiction during the EHR reporting period OR<br>2. Operates in a jurisdiction for which no public health agency is capable of accepting the specific ELR standards required to meet the CEHRT definition at the start of the EHR reporting period; OR<br>3. Operates in a jurisdiction where no public health agency has declared readiness to receive electronic reportable laboratory results from an EH or CAH as of 6 months prior to the start of the EHR reporting period. |

* EPs, EHs, and CAHs may choose to attest to Measure 4 - Public Health Registry Reporting more than once as specified in the table above. A specialized registry to which the EP, EH, or CAH reported achieving Active Engagement Option 3: Production in a prior year under the EHR Incentive Programs in 2015 through 2017 may also count toward Measure 4 - Public Health Registry Reporting in 2017, 2018 and subsequent years.
** EPs, EHs, and CAHs may choose to attest to Measure 5 - Clinical Data Registry Reporting more than once as specified in the table above.

*Note:* EPs would be required to attest to any combination of two measures out of five and EHs and CAHs would be required to attest to any combination of four measures out of six. An exclusion to a measure does not count toward the total number of measures.

# Public Health and Clinical Data Registry - Measures and Standards

| Measure | Standard | Implementation Guide |
|---|---|---|
| Measure 1 – Immunization Registry Reporting | 170.315(f)(1) | HL7 Version 2.5.1: Implementation Guide for Immunization Messaging, Release 1.5 (October 2014) |
| Measure 2 – Syndromic Surveillance Reporting | 170.315(f)(2) | PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent, Ambulatory Care, and Inpatient Settings, Release 2.0, September 2014 ("Release 2.0") |
| Measure 3 – Case Reporting | 170.315(f)(5) | IHE Quality, Research, and Public Health Technical Framework Supplement, Structured Data Capture, Trial Implementation (September 5, 2014) |
| Measure 4 - Public Health Registry Reporting | 170.315(f)(4)<br><br>170.315(f)(6)<br><br>170.315(f)(7) | HL7 Implementation Guide for CDA© Release 2: Reporting to Public Health Cancer Registries from Ambulatory<br><br>Healthcare Providers Release 1<br>HL7 Implementation Guide for CDA ® Release 2—Level 3: Healthcare Associated Infection Reports, Release 1, U.S. Realm (August 2013)<br><br>HL7 Implementation Guide for CDA ® Release 2: National Health Care Surveys (NHCS), Release 1—US Realm, Draft Standard for Trial Use (December 2014), |
| Measure 5 - Clinical Data Registry Reporting | | |
| Measure 6 - Electronic Reportable Laboratory Results | 170.315(f)(3) | HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 2 (US Realm), DSTU R1.1, 2014 or "Release 2, DSTU R1.1 |

# What has CDC done to facilitate EHR MU?

Accomplishments, per work already completed:

- Collaborated with CMS and ONC to frame Stage 1,2 and 3 Meaningful Use requirements
- Advocated for public health needs at various national platforms - FACA, Taskforces, Workgroups, and Forums
- Convened two cross-agency EHR-Meaningful Use Groups , the EHR Strategy and the EHR Forum
- Created communication vehicles to disseminate the MU & PH related info to our PH partners
- Collaborated with CSTE on the Joint ELR Taskforce
- Implemented an Incident Command Structure (ICS) to focus on ELR issues
- Continued collaboration with federal agencies and public health partners for Stage 3 MU implementation

# What has CDC been doing to facilitate EHR MU?

- CDC MU PH Technical Assistance
- Stage 3 MU PH Reporting Requirements Task Force
- Knowledge & Best Practices sharing and collaboration platforms- (CDC-ONC Partnership since 2010 till date)

❖Joint PH CoP & CDC MU Nationwide Call

❖PH-EHR Vendor Collaboration Initiative

❖Community of Practice (CoP) focused on leveraging Federal financial participation

# Resources

- **CDC EHR Meaningful Use**: http://www.cdc.gov/ehrmeaningfuluse/
- **CDC Meaningful Use Mailbox:** meaningfuluse@cdc.gov
- **CDC Meaningful Use Listserv: CDC_EHR_Meaningful_Use@listserv.cdc.gov**
- **CMS Centralized Repository: https://www.cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/CentralizedRepository-.html**

****To access the content on slide 25 please click the following link: https://www.cdc.gov/ehrmeaningfuluse/meaningful-use-mu-public-health-ph-reporting-requirements-task-force.html**

# Meaningful Use

# Public Health Measures & Standards: Modified Stage 2 & Stage 3

## Electronic Health Record(EHR) Incentive Payment Program - Public Health Reporting Measures & Standards (Modified Stage 2 & Stage 3)

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| Stage/Year | | Modified Stage 2 MU (2015-2017) | Stage 3 MU (2018, optional 2017) |
|---|---|---|---|
| ONC Regulation/ Certification Edition | | 2014 CEHRT | 2015 CEHRT |
| Meaningful Use (MU) Objective | | Public Health Registry Reporting | Public Health and Clinical Data Registry Reporting |
| MU Eligible Entities *(Numbers in brackets specify the minimum measures to meet)* (EP-Eligible Professionals; EHs- Eligible Hospitals; CAHs-Critical Access Hospitals) | | EPs in Stage 1, 2015: [1]<br>EPs in Stage 2, 2015: [2]<br>EPs in 2016 or 2017: [ 2]<br>EHs, CAHs in Stage 1, 2015: [2]<br>EHs, CAHs in Stage 2, 2015: [3]<br>EHs, CAHs in 2016 or 2017: [3] | EPs: [2]<br>EHs: [4]<br>CAHs: [4] |
| **Measure Name** | **Provider Type Availability** | **ONC-Adopted Standard (2014 CEHRT)** | **ONC-Adopted Standard (2015 CEHRT)** |
| Immunization Registry Reporting | EP, EH, CAH | Measure 1<br>HL7 2.5.1: Implementation Guide for Immunization Messaging, Release 1.4 | Measure 1<br>HL7 Version 2.5.1: Implementation Guide for Immunization Messaging, Release 1.5 (October 2014) and Addendum (July 2015) |
| Syndromic Surveillance Reporting | **Modified Stage 2:**<br>EP, EH, CAH<br>**Stage 3 MU**<br>EP (*Urgent Care Setting ONLY*), EH, CAH | Measure 2<br>HL7 2.5.1 PHIN Messaging Guide for Syndromic Surveillance: Emergency Department and Urgent Care Data, Release 1.1 (August 2012) | Measure 2<br>HL7 2.5.1 PHIN Messaging Guide for Syndromic Surveillance: Emergency Department, Urgent Care, Ambulatory Care and Inpatient Settings, Release 2.0 |
| Specialized Registry Reporting | EP, EH, CAH<br>(Cancer Registry Reporting only for EPs) | Measure 3<br>No standard mandated for Specialized Registry Reporting except for Cancer Case Reporting, as a specialized registry, from EPs to State Cancer Registry<br>Implementation Guide for Ambulatory Healthcare Provider Reporting to Central Cancer Registries, HL7 Clinical Document Architecture (CDA), (August 2012)<br>National Health Care Surveys (NHCS) Reporting to CDC/NCHS also available. | **Not included in Stage 3 MU**<br>See Measure 4 - Public Health Registry Reporting and Measure 5 - Clinical Data Registry Reporting |
| Electronic Case Reporting | EP, EH, CAH | **Not included in Modified Stage 2. See Measure 3 - Specialized Registry Reporting** | Measure 3<br>Per guidelines in the ONC 2015 Edition Certification Final Rule<br>***Not available in 2017 for optional Stage 3 requirements.*** |
| Electronic Reportable Laboratory Results Reporting | EH, CAH only | Measure 4<br>HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm), with Errata and Clarifications | Measure 6<br>HL7 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm), with Errata and Clarifications |
| Public Health Registry Reporting | EP, EH, CAH | **Not included in Modified Stage 2. See Measure 3-Specialized Registry Reporting.** | Measure 4<br>Starting in 2018, only standard based transmissions will be accepted based on the standards listed below. Cancer case reporting from EPs to State Cancer Registry-HL7 CDA® Release 2 Implementation Guide: Reporting to Public Health Cancer Registries from Ambulatory Healthcare Providers, Release 1; DSTU Release 1.1, U.S. Realm) (EPs Only)<br>Antimicrobial use and resistance reporting to CDC/NHSN-HL7 Implementation Guide for CDA® Release 2 –Level 3: Healthcare Associated Infection Reports, Release 1, U.S. Realm (August 2013) (Eligible Hospitals/CAHs only)<br>CDC/NCHS Health care surveys-HL7 Implementation Guide for CDA ® Release 2: National Health Care Surveys (NHCS), Release 1—US Realm, Draft Standard for Trial Use (December 2014) |
| Clinical Data Registry Reporting | EP, EH, CAH | **Not included in Modified Stage 2. See Measure 3-Specialized Registry Reporting** | Measure 5<br>No standard included at this time. |

Center for Surveillance, Epidemiology, and Laboratory Services

Office of Public Health Scientific Services

# Thank You